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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/557,299	11/18/2005	Qiang Guo Chen	100998-1P US	9259	
44992 7590 05/24/2007 ASTRAZENECA R&D BOSTON			EXAMINER		
35 GATEHOU	JSE DRIVE		BERTAGNA, A	BERTAGNA, ANGELA MARIE	
WALTHAM, MA 02451-1215		,	ART UNIT	PAPER NUMBER	
	•		1637		
				•	
			MAIL DATE	DELIVERY MODE	
			05/24/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

_	Application No.	Applicant(s)					
į.	10/557,299	CHEN ET AL.					
Office Action Summary	Examiner	Art Unit					
	Angela Bertagna	1637					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address							
Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on	_·						
·—	,—						
	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.							
Disposition of Claims							
4)⊠ Claim(s) <u>1-20</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdrawn from consideration.							
5) Claim(s) is/are allowed.							
	6) Claim(s)is/are rejected.						
·—	<ul> <li>7) Claim(s) is/are objected to.</li> <li>8) Claim(s) 1-20 are subject to restriction and/or election requirement.</li> </ul>						
6) Claim(s) 1-20 are subject to restriction and/or election requirement.							
Application Papers							
9) The specification is objected to by the Examiner.							
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.							
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).							
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
,							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority documents have been received in Application No							
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
		•					
Attachment(s)  1) Motion of References Cited (RTO 902)  (A) Intention Summary (RTO 413)							
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  2) Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date.							
3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date  5) Notice of Informal Patent Application 6) Other:							
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## DETAILED ACTION

## Election/Restrictions

1. Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions that are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-20 and SEQ ID NO: 1, drawn to methods of detecting DNA primase activity using SEQ ID NO: 1 as a template.

Group II, claim(s) 1-20 and SEQ ID NO: 2, drawn to methods of detecting DNA primase activity using SEQ ID NO: 2 as a template.

Group III, claim(s) 1-20 and SEQ ID NO: 3, drawn to methods of detecting DNA primase activity using SEQ ID NO: 3 as a template.

Group IV, claim(s) 1-20 and SEQ ID NO: 4, drawn to methods of detecting DNA primase activity using SEQ ID NO: 4 as a template.

Group V, claim(s) 1-20 and SEQ ID NO: 5, drawn to methods of detecting DNA primase activity using SEQ ID NO: 5 as a template.

Group VI, claim(s) 1-20 and SEQ ID NO: 6, drawn to methods of detecting DNA primase activity using SEQ ID NO: 6 as a template.

Group VII, claim(s) 1-20 and SEQ ID NO: 7, drawn to methods of detecting DNA primase activity using SEQ ID NO: 7 as a template.

Group VIII, claim(s) 1-20 and SEQ ID NO: 8, drawn to methods of detecting DNA primase activity using SEQ ID NO: 8 as a template.

2. The inventions listed as Groups I-VIII do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: The prior art of Sivaraja et al. (US 6,043,038)

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teaches a method for assaying DNA primase activity comprising: (a) contacting a nucleic acid template, a DNA primase, and ribonucleoside triphosphates (column 2, lines 5-12), (b) polymerizing the triphosphates to form RNA (column 2, lines 12-15), and (c) detecting the RNA with a fluorescent marker that binds RNA (column 11, lines 23-67 and column 17, lines 20-40).

Since the prior art of Sivaraja anticipates the method of claim 1, the claims lack a special technical feature linking them over the prior art, and therefore, a lack of unity requirement is proper. Furthermore, SEQ ID NO: 1-8 lack a special technical feature linking them over the prior art, because each of SEQ ID NO: 1-8 has a different nucleotide sequence and binds to a different DNA primase. Therefore, SEQ ID NO: 1-8 lack a common structural core and common activity as required by PCT Rule 13.2, and a lack of unity requirement is proper.

3. Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In

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either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

4. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angela Bertagna whose telephone number is 571-272-8291. The examiner can normally be reached on M-F, 7:30 - 5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Benzion can be reached on 571-272-0782. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Angela Bertagna Art Unit 1637 May 16, 2007

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JEFFREY FREDMAN
PRIMARY EXAMINER